

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 27, 2026

## pSIL-eGFP-shACTN4

RRID:Addgene\_52679

Type: Plasmid

### Proper Citation

RRID:Addgene\_52679

### Plasmid Information

**URL:** <http://www.addgene.org/52679>

**Proper Citation:** RRID:Addgene\_52679

**Insert Name:** ACTN4

**Organism:** Rattus norvegicus

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:19028690](#)

**Vector Backbone Description:** Backbone Marker:Hell lab, Addgene plasmid #52675; Vector Backbone:pSIL-EGFP; Vector Types:RNAi; Bacterial Resistance:Ampicillin

**Comments:** EGFP is a transfection marker, not a fusion. RNAi targeted at 493–511 from the start sequence of rat  $\beta$ -actinin-4 (the sense chain was 5'-gactatccaggagatgcaggtcaagagactgcatctcctggatagtcttttt-3'. The 19-nucleotide sense sequence and the inverted antisense sequence were connected by a 9-nucleotide spacer to allow stem-loop formation. At the 3' end, a penta-thymidine motif provided a polymerase III termination site. siRNAs were cloned into pSilencer™ vector for expression of the respective sequences under the U6 promotor.

**Plasmid Name:** pSIL-eGFP-shACTN4

**Record Creation Time:** 20220422T222309+0000

**Record Last Update:** 20260815T081625+0000

### Ratings and Alerts

No rating or validation information has been found for pSIL-eGFP-shACTN4.

No alerts have been found for pSIL-eGFP-shACTN4.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.